HLS

Homeland Security Simulation Solutions

Key Benefits

- Agent-based simulation to facilitate all phases of incident response
- Maximizes training exercises per scenario
- Enhanced exercise analysis, rapid evaluation and reporting
- Realistic training environment
- Real-time simulation
- Minimum personnel and setup time

Key Features

- Detailed modeling of hazards, first-responders and emergency equipment
- On-site generation of numerous scenarios
- Scalable architecture- enables flexible system configuration
- Exercise flexibility- in both scale and duration
- Adjustable simulator fidelity- including very large training areas and highly detailed incidents
- Comprehensive after-action review and reports generator
- High availability and low-cost maintenance based on use of COTS hardwaree

Large scale urban arenas

Population and traffic simulation

Wide range of scenarios and events

Responders assets and resources

Wide range of response activities

Dynamic urban terrain

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Homeland Security Simulation Solutions

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Homeland Security Simulation Solutions

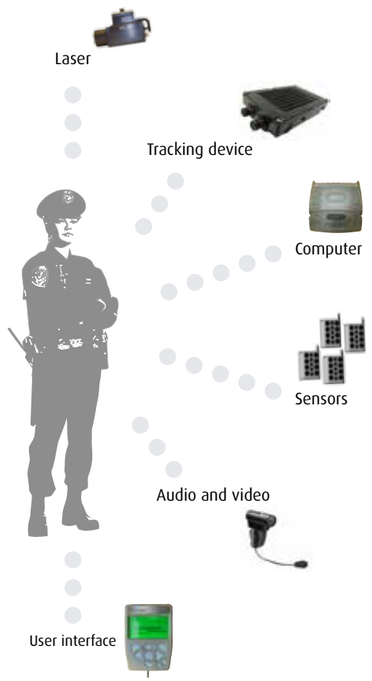
Elbit Systems' homeland security (HLS) simulation solutions realistically simulate complex emergency scenarios where multiple security and rescue teams must seamlessly coordinate their life-saving operations,

in both virtual arenas and live training environments.

The systems simulate a variety of interactive security incidents including terror attacks, accidents, natural disasters, dispersion of hazardous materials, attacks on strategic infrastructure, security for large scale sporting events, and maintenance of public order.

HLS Live Training

The HLS Live Training system offers a comprehensive solution and sets new standards for field training within first responder organizations. The system features enhanced indoor/outdoor location tracking, leading-edge trainee vests and advanced communications. Superior debriefing capabilities provide immediate feedback for improved emergency response.



Key Features

- Fast deployment and setup
- Rich training environment combining virtual and actual units in the theater
- Enhanced logger (radio communication, video, trainee positions)
- Portable training management center
- Advanced trainee vests with capability to transmit video to control center
- Broadband communication

HLS Virtual and Constructive Training

Incident Command Training System (ICTS)

Elbit Systems ICTS enables effective incident training for key decision makers at the state, regional and local levels. The ICTS enhances the common operation picture and provides a realistic training for a wide range of homeland security planning scenarios in large urban areas.

Border Protection Simulator (BPS)

The BPS simulates a border protection environment complete with border crossings, electrical fences and electro-optical surveillance equipment. The system enhances the trainees' abilities to detect, recognize and identify abnormal activities along the border. The BPS incorporates simulations for a wide range of surveillance equipment and sensors including day/night cameras, UASs, UGVs, pilot balloons, ground surveillance radar, reconnaissance vehicles and border control systems.

Emergency Medical Services Simulator (EMSS)

The dynamic training arena of the EMSS contains models for creating emergency incidents including generating realistic casualties with several injury levels, casualty treatment, evacuation (ground and aerial), triage (field and hospital) and management of available resources.